



Substitute for form 1449A/PTO

AUG 02 2004
C53**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

Vail III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

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Submission Date

July 30, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6742606 B2	06/01/2004	McCalfe, et al.	
	A2	US-6702040 B1	03/09/2004	Sensenig	
	A3	US-6668937	12/30/2003	Murray	
	A4	US6634430	10/21/2003	Dawson et al.	
	A5	US-6547017 B1	04/15/2003	Vail, III	
	A6	US-6543552 B1	04/08/2003	McCalfe, et al.	
	A7	US-6536993 B2	03/25/2003	Strong, et al.	
	A8	US-6457532 B1	10/01/2002	Simpson	
	A9	US-6263987 B1	07/24/2001	Vail, III	
	A10	US-6216533 B1	04/17/2001	Woloson, et al.	
	A11	US-6189616 B1	02/20/2001	Gano, et al.	
	A12	US-6186233 B1	02/13/2001	Brunet	
	A13	US-6155360	12/05/2000	McLeod	
	A14	US-6135208	10/24/2000	Gano, et al..	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	DE 3 213 464	10/13/1983	Reimer		
	B2	DE 4 133 802	10/22/1992	Andrejewski		
	B3	EP 0 235 105	09/02/1987	Kjell-Oue		
	B4	EP 0 265 344	04/27/1988	Legendre		
	B5	EP 0 462 618	12/27/1991	Karlsson		

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PTO/SB/08a (08-03)
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		Number-Kind Code ² (if known)			
	A19	US-5887668	03/30/1999	Haugen et al.	
	A20	US-5887655	03/30/1999	Haugen, et al.	
	A21	US-5836409	11/17/1998	Vail, III	
	A22	US-5826651	10/27/1998	Lee, et al.	
	A23	US-5803666	09/08/1998	Keller	
	A24	US-5787978	08/04/1998	Carter, et al.	
	A25	US-5785132	07/28/1998	Richardson, et al.	
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	A30	US-5560440	10/01/1996	Tibbitts	
	A31	US-5553679	09/10/1996	Thorp	
	A32	US-5546317	10/10/1995	Hood, III, et al.	
	A33	US-5526880	06/18/1996	Jordan, Jr., et al.	
	A34	US-5520255	05/28/1996	Barr et al.	
	A35	US-5477925	12/26/1995	Trahan, et al.	
	A36	US-5458209	10/17/1995	Hayes, et al.	
	A37	US-5435400	07/25/1995	Smith	
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	B6	EP 0 554 568	08/11/1993	Tibbits, et al.		
	B7	EP 0 961 007	12/06/1999	Gano, et al.		
	B8	EP 1 006 260	06/07/2000	Fincher, et al.		
	B9	GB 2 335 217	09/15/1999	Desai		

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	A40	US-5322127	06/21/1991	McNair et al.	
	A41	US-5318122	06/07/1994	Murray, et al.	
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	A56	US-4483399	11/20/1984	Colgate	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B10	GB 1 469 661	04/06/1977	Swobda, et al.		
	B11	GB 1 277 461	06/03/1972			
	B12	GB 1 448 304	09/02/1976			
	B13	GB 1 582 392	01/07/1981			

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		Number-Kind Code ² (if known)			
	A58	US-4446745	05/08/1994	Stone, et al.	
	A59	US-4396076	08/02/1983	Inoue	
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	A65	US-4100981	07/18/1978	Chaffin	
	A66	US-4083405	04/11/1978	Shirley	
	A67	US-3934660	01/27/1976	Nelson	
	A68	US-3901331	08/26/1975	Djurovic	
	A69	US-3785193	01/15/1974	Kinley et al.	
	A70	US-3700048	10/24/1972	Desmoulins	
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	A74	US-3575245	04/20/1971	Cordary, et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B14	GB 2 053 088	02/04/1981	Gebhart		
	B15	GB 2 201 912	09/14/1988	Dinsdale		
	B16	GB 2 313 860	02/10/1997	Lee		
	B17	GB 2 320 270	06/17/1998	Armell, et al.		
	B18	GB 2 333 542	07/26/1999	Kirk		

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		Number-Kind Code ² (if known)			
	A77	US-3353599	11/21/1967	Swift	
	A78	US-3191680	06/29/1965	Vincent	
	A79	US-3191677	06/29/1965	Kinley	
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	A81	US-3102599	09/03/1963	Hillburn	
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	A83	US-2805043	09/03/1957	Williams	
	A84	US-2765146	10/02/1956	Williams	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B19	GB 2 365 463	02/20/2002	Giancarlo		
	B20	GB 2 382 361	05/28/2003	Hewson, et al.		
	B21	GB 2 216 926	10/18/1989	Haloid		
	B22	GB 2 348 223	09/27/2000	Cook, et al.		

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	A95	US-2049450	08/04/1936	Johnson	
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/	B27	USSR 112631	01/10/1956	Barshai, et al.		
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/	B48	WO 92/01139	01/23/1992	Nobilequ		
/	B49	WO 92/18743	10/29/1992	Pietras		
/	B50	WO 92/20899	11/26/1992	Ellis		
/	B51	WO 93/24728	12/09/1993	Simpson		

Examiner

Date Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

Sheet

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of

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Submission Date

July 30, 2004

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
	B52	WO 95/10686	04/20/1995	Lorenz, et al.		
	B53	WO 96/28635	09/19/1996	Strong, et al.		
	B54	WO 98/09053	03/05/1998	Murray, et al.		
	B55	WO 99/23354	05/14/1999	Metcalfe		
	B56	WO 99/37881	07/29/1999	Kirk, et al.		
	B57	WO 99/50528	10/07/1999	Kuck, et al.		
	B58	WO 99/64713	12/16/1999	Wardley		
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	B50	FR 2053088	07/20/1970	Gotwald		
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	B74					
	B75					
	B76					
	B77					
	B78					

Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

Vail III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Submission Date

July 30, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	HAHN, ET AL., "Simultaneous Drill and Case Technology - Case Histories, Status and Options for Further Development," Society of Petroleum Engineers, IADC/SPE Drilling Conference, New Orleans, LA Feb. 23-25, 2000 pp. 1-9.	
	C2	M.B. STONE and J. SMITH, "Expandable Tubulars and Casing Drilling are Options" Drilling Contractor, January/February 2002, pp. 52.	
	C3	M. GELFGAT, "Retractable Bits Development and Application" Transactions of the ASME, Vol. 120, June (1998), pp. 124-130.	
	C4	"First Success with Casing-Drilling" Word Oil, February (1999), pp. 25.	
	C5	DEAN E. GADDY, Editor, "Russia Shares Technical Know-How with U.S." Oil & Gas Journal, March (1999), pp. 51-52 and 54-56.	
	C6	United States Patent Application 10/794,800, filed March 5, 2004 (WEAT/0360)	
	C7	United States Patent Application 10/832,804, filed April 27, 2004 (WEAT/0383.P1)	
	C8	United States Patent Application 10/795,214, filed March 5, 2004 (WEAT/0373)	
	C9	United States Patent Application 10/794,795, filed March 5, 2004 (WEAT/0357)	
	C10	United States Patent Application 10/775,048, filed February 9, 2004 (WEAT/0359)	
	C11	United States Patent Application 10/772,217, filed February 2, 2004 (WEAT/0344)	
	C12	United States Patent Application 10/788,976, filed February 27, 2004 (WEAT/0372)	

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**INFORMATION DISCLOSURE
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Application Number

10/717,422

Filing Date

November 18, 2003

First Named Inventor

Vail III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Submission Date

July 30, 2004

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C13	United States Patent Application 10/794,797, filed March 5, 2004 (WEAT/0371)	
	C14	United States Patent Application 10/767,322, filed January 29, 2004 (WEAT/0343)	
	C15	United States Patent Application 10/795,129, filed March 5, 2004 (WEAT/0366)	
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	C21		
	C22		
	C23		
	C24		

Examiner

Eric - JS

Date Considered

8/12/05

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Substitute for form 1449A/PTO				Application Number	10/717,422
				Filing Date	November 19, 2003
				First Named Inventor	Vail III
				Group Art Unit	3672
				Examiner Name	Unknown
				Attorney Docket Number	WEAT/0526.P1
Sheet	11	of	29	Submission Date	July 30, 2004

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Substitute for form 1449A/PTO		Application Number	10/717,422		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	November 19, 2003		
(Use as many sheets as necessary)		First Named Inventor	Vail III		
		Group Art Unit	3672		
		Examiner Name	Unknown		
		Attorney Docket Number	WEAT/0526.P1		
Sheet	12	of	29	Submission Date	July 30, 2004

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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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STATEMENT BY APPLICANT**

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

Submission Date July 30, 2004

U.S. Patent Documents

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Substitute for form 1449A/PTO		Application Number	10/717,422
		Filing Date	November 19, 2003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		First Named Inventor	Vail III
(Use as many sheets as necessary)		Group Art Unit	3872
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0526.P1
Sheet	14	of	29
		Submission Date	July 30, 2004

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner

Date Considered

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Substitute for form 1449A/PTO		Application Number	10/717,422
		Filing Date	November 19, 2003
		First Named Inventor	Vail III
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0526.P1
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		Submission Date	July 30, 2004

U.S. Patent Documents							
*Examiner Initials		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Examiner <i>Frederick J. Coss</i>				Date Considered <i>8/10/03</i>			

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

Submission Date July 30, 2004

U.S. Patent Documents

*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Substitute for form 1449A/PTO				Application Number	10/717,422	
				Filing Date	November 19, 2003	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	Vail III	
(Use as many sheets as necessary)				Group Art Unit	3672	
				Examiner Name	Unknown	
				Attorney Docket Number	WEAT/0528.P1	
Sheet	17	of	29	Submission Date	July 30, 2004	

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
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Substitute for form 1449A/PTO				Application Number	10/717,422
				Filing Date	November 19, 2003
				First Named Inventor	Vail III
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				Examiner Name	Unknown
				Attorney Docket Number	WEAT/0526.P1
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Group Art Unit	3672
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First Named Inventor

Vail III

Group Art Unit

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
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	B75	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Attorney Docket Number	WEAT/0526.P1

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	C66 Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10
	C67 Rotary Drilling, Open-Hole Fishing, Unit III, Lesson 2, Third Edition
	C68 Rotary Drilling, Casing and Cementing, Unit II, Lesson 4, Second Edition
	C69 Rotary Drilling, Drilling a Straight Hole, Unit II, Lesson 3, Second Edition
	C70 Rotary Drilling, The Bit, Unit I, Lesson 2, Third Edition
	C71 Rotary Drilling, Blowout Prevention, Unit III, Lesson 3, Third Edition
J	C72 Well Servicing and Workover, Artificial Lift Methods, Lesson 5, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
J	C73 Rotary Drilling, Drilling Mud, Unit II, Lesson 2, Third Edition

Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 28

of 29

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	Vail III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1

Submission Date July 30, 2004

OTHER ART

*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.
	C74 Rotary Drilling, Subsea Blowout Preventers and Marine Riser Systems, Unit III, Lesson 4
	C75 Well Servicing and Workover, Control of Formation Pressure, Lesson 9, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C76 Well Servicing and Workover, Production Rig Equipment, Lesson 6, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C77 Well Servicing and Workover, Petroleum Geology and Reservoirs, Lesson 2, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C78 Well Servicing and Workover, Well Logging Methods, Lesson 3, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C79 Well Servicing and Workover, Introduction to Oil Well Service and Workover, Lesson 1, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C80 Well Servicing and Workover, Well Completion Methods, Lesson 4, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C81 Rotary Drilling, Controlled Directional Drilling, Unit III, Lesson 1, Third Edition
	C82 Well Servicing and Workover, Well Stimulation Treatments, Lesson 11, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C83 Rotary Drilling, Making Hole, Unit II, Lesson 1, Second Edition
	C84 Well Servicing and Workover, Well Cleanout and Repair Methods, Lesson 8, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C85 Well Servicing and Workover, Well Servicing and Repair, Lesson 7, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas
	C86 Rotary Drilling, Circulating Systems, Unit I, Lesson 8, Third Edition
	C87 Well Servicing and Workover, Well Service and Workover Profitability, Lesson 12, Petroleum Extension Service, The University of Texas at Austin, Austin, Texas

Examiner

Date Considered 8/12/04

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Substitute for form 1449A/PTO		Application Number	10/717,422
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	November 19, 2003
(Use as many sheets as necessary)		First Named Inventor	Vail III
		Group Art Unit	3672
		Examiner Name	Unknown
		Attorney Docket Number	WEAT/0526.P1
Sheet	29	of	29
		Submission Date	July 30, 2004

OTHER ART

Examiner

Data Considered

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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CANCELLATION
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U.S. PATENT AND TRADEMARK OFFICE

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

Sheet

1 JAN 24 2005

of 12

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
J	A1	US-2,167,338	07-25-1939	Murcell	
	A2	US-2,228,503	01-14-1941	Boyd, et al.	
	A3	US-2,370,832	03-06-1945	Baker	
	A4	US-2,379,800	07-03-1945	Hare	
	A5	US-2,414,719	01-21-1947	Cloud	
	A6	US-2,720,267	10-11-1955	Brown	
	A7	US-2,741,907	06-06-1997	Genender, et al.	
	A8	US-3,006,415	10-31-1961	Burns, et al.	
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	A10	US-3,054,100	09-11-1962	Jones	
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	A12	US-3,111,179	11-19-1963	Albers, et al.	
	A13	US-3,117,636	01-24-1964	Wilcox, et al.	
	A14	US-3,124,023	3-10-1964	Marquis, et al.	
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	A17	US-3,419,079	12-31-1968	Current	
J	A18	US-3,548,936	12-22-1970	Kilgore, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
J	B1	CA 2 335 192	11-30-2001	Kozak		
J	B2	DE 3 523 221	02-01-1987	Svetozar		
J	B3	DE 3 918 132	12-14-1989	Eriksson		
J	B4	EP 0 474 481	03-11-1992	Moody		
J	B5	EP 0 087 373	08-31-1983	Plaquin		

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8/27/05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

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Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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	A20	US-3,552,848	01-05-1971	Van Wagner	
	A21	US-3,566,505	03-02-1971	Martin	
	A22	US-3,602,302	08-31-1971	Kluth	
	A23	US-3,606,664	09-21-1971	Weiner	
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		Number-Kind Code ² (if known)				
	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
	B9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 12

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Miida	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,363	03-20-1984	Haynes	
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	A49	US-4,529,045	07-16-1985	Boadjieff, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
	B11	EP 0 589 823	03-03-1994	Busink, et al.		
	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
	B14	EP 0 881 354	04-24-1998	Vercaemem, et al.		
	B15	EP 0 962 384	12-08-1999	Poldervaart		

Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

William Banning Vail, III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Customer No.

36735

Sheet 4

of 12

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A55	US-4,646,827	03-03-1987	Cobb	
	A56	US-4,649,777	03-17-1987	Buck	
	A57	US-4,667,752	05-26-1987	Berry, et al.	
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		Number-Kind Code ² (if known)				
	B16	EP 1 256 691	11-13-2002	Hawkins, et al.		
	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B18	GB 2 115 940	09-14-1983	Plaquin		
	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Elane, et al.		

Examiner

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Sheet 5

of 12

Application Number

10/717,422

Filing Date

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First Named Inventor

William Banning Vail, III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Customer No.

36735

Submission Date

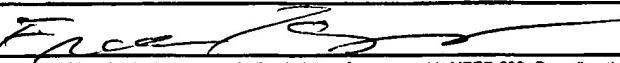
U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A73	US-4,800,968	01-31-1989	Shaw, et al.	
	A74	US-4,806,928	02-21-1989	Veneruso	
	A75	US-4,813,493	03-21-1989	Shaw, et al.	
	A76	US-4,836,064	06-06-1989	Slator	
	A77	US-4,867,236	09-19-1989	Haney, et al.	
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	A84	US-5,141,063	08-25-1992	Quesenbury	
	A85	US-5,176,518	01-05-1993	Hordijk, et al.	
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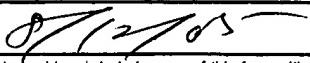
FOREIGN PATENT DOCUMENTS

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		Number-Kind Code ² (if known)				
	B21	GB 2 294 715	08-05-1996	Tibbits		
	B22	GB 2 349 401	11-01-2000	Roberts, et al.		
	B23	GB 2 352 747	07-02-2001	Davis, et al.		
	B24	GB 2 357 530	06-27-2001	Schulze-Beckinghausen		
	B25	GB 2 372 765	09-04-2002	Head		

Examiner



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

Sheet 6

of 12

Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A91	US-5,271,468	12-21-1993	Streich, et al.	
	A92	US-5,305,839	04-26-1994	Kalsi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
	A94	US-5,351,767	10-04-1994	Stogner, et al.	
	A95	US-5,388,651	02-14-1995	Berry	
	A96	US-5,394,823	03-07-1995	Lenze	
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	A115	US-5,577,566	11-26-1996	Albright, et al.	
	A116	US-5,645,131	07-08-1997	Trevisani	
	A117	US-5,706,894	01-13-1998	Hawkins, III	
	A118	US-5,791,410	08-11-1998	Castille, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
	B26	GB 709 365	05-19-1954	Standard Oil Development		
	B27	GB 716 761	10-13-1954	Standard Oil Development		
	B28	GB 881 358	11-01-1961	Kammerer, et al.		
	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

12

Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

William Banning Vail, III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Customer No.

36735

Submission Date

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A119	US-5,803,191	09-08-1998	Mackintosh	
	A120	US-5,813,456	09-29-1998	Milner, et al.	
	A121	US-5,836,395	11-17-1998	Budde	
	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
	A125	US-5,909,768	06-08-1999	Castille, et al.	
	A126	US-5,971,086	10-26-1999	Bee, et al.	
	A127	US-5,984,007	11-16-1999	Yuan, et al.	
	A128	US-5,988,273	11-23-1999	Monjure, et al.	
	A129	US-6,056,060	05-02-2000	Abrahamsen, et al.	
	A130	US-6,070,500	06-06-2000	Dlask, et al.	
	A131	US-6,079,498	06-27-2000	Lima, et al.	
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	A133	US-6,142,545	11-07-2000	Penman, et al.	
	A134	US-6,161,617	12-19-2000	Gjedebo	
	A135	US-6,173,777	01-16-2001	Mullins	
	A136	US-6,199,641	03-13-2001	Downie, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Number-Kind Code ² (if known)				
	B31	WO 00/39429	07-06-2000	Pietras		
	B32	WO 00/39430	07-06-2000	Pietras		
	B33	WO 00/46484	08-10-2000	Van Buren, et al.		
	B34	WO 00/66879	11-09-2000	Hawkins, et al.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8

of 12

Application Number 10/717,422

Filing Date November 19, 2003

First Named Inventor William Banning Vail, III

Group Art Unit 3672

Examiner Name Unknown

Attorney Docket Number WEAT/0526.P1

Customer No. 36735

Submission Date

U.S. PATENT DOCUMENTS

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	A139	US-6,275,938	08-14-2001	Bond, et al.	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Number-Kind Code ² (if known)				
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	B37	WO 03/087525	10-23-2003	Vincent, et al.		
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	B39	WO 96/18799	06-20-1996	Stokka		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

Sheet 9 of 12 Submission Date

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A155	US-6,698,595	03-02-2004	Norell, et al.	
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		Number-Kind Code ² (if known)				
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Examiner

Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number

10/717,422

Filing Date

November 19, 2003

First Named Inventor

William Banning Vail, III

Group Art Unit

3672

Examiner Name

Unknown

Attorney Docket Number

WEAT/0526.P1

Customer No.

36735

Sheet

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of

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Submission Date

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Z	A173	US-2004/0108142	06-10-2004	Vail, III	
/	A174	US-2004/0112646	06-17-2004	Vail	
/	A175	US-2004/0118613	06-24-2004	Vail	
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/	A189	US-			
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		Number-Kind Code ² (if known)				
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	B47					
	B48					
	B49					
	B50					

Examiner

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735

Sheet 11

of 12

Submission Date

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
J		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
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		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
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J		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
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Date Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/717,422
Filing Date	November 19, 2003
First Named Inventor	William Banning Vail, III
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0526.P1
Customer No.	36735
Submission Date	

Sheet 12

of 12

Submission Date

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		500 or 650 HCIS Top Drive, Powerful Hydraulic Compact Top Drive Drilling System, TESCO Drilling Technology, April 1998, 2 Pages	
		Product Information (Sections 1-10) CANRIG Drilling Technology, Ltd., September 18, 1996	
			

Examiner

Fred C. Sod

Date Considered

81205

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